## CLAIMS

1		1.	A method for manufacturing tiles for use in a raised floor system, the
2	tiles	compris	sing an outer shell and an inner core material, the method comprising
3	steps	of:	
4			constructing the shells at a manufacturing facility;
5			transporting the shells to a remote location associated with a job site
6	and		•
7			filling the shells with a fill material at the remote location.
1		2.	The method of Claim 1 further comprising the step of:
2			cleaning the tiles.
		•	
j		3.	The method of Claim 2 wherein cleaning includes washing the tiles.
1		4.	The method of Claim 2 wherein cleaning includes drying the tiles.
:			The method in Claim 1 wherein the remete leastion is a construction
1 1	site.	5.	The method in Claim 1 wherein the remote location is a construction
2	Site.		
1		6.	A method for manufacturing tiles for use in a raised floor system, the
2	tiles	compris	sing an outer shell and an inner core material, the method comprising
3	steps	of:	
4			providing a rack to hold the tiles during the manufacturing process;
5			stacking the shells in a vertical orientation on the rack; and
6			filling the shells with a cementious mixture core material while on the
7	rack.		
1		7.	The method of Claim 6 further comprising the step of:
2			cleaning the tiles while on the rack.
1		8.	The method of Claim 7 wherein cleaning includes washing the tiles.

The method of Claim 7 wherein cleaning includes drying the tiles.

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1	10.	A method for manufacturing tiles for use in a raised floor system, the
2	tiles compris	sing an outer shell and an inner core material, the method comprising
3	steps of:	

constructing the shells at a manufacturing facility;

providing a rack to hold the tiles during the manufacturing process,

stacking the shells in a vertical orientation on the rack;

transporting the shells to a remote location associated with a job site while on the rack; and

filling the shells with a core material while on the rack at the remote location.

- 11. The method of Claim 10 further comprising the step of: cleaning the tiles while on the rack at the remote location.
- 12. The method of Claim 11 wherein cleaning includes washing the tiles.
- 13. The method of Claim 11 wherein cleaning includes drying the tiles.
- 14. The method of Claim 10 wherein the remote location is a construction site.
- 15. A racking system for use in the manufacture of tiles to be used in a raised floor system, the racking system comprising:
- a plurality of racks, each rack having top and bottom faces having a plurality of elongated pockets, each pocket adapted to receive an edge of a floor tile, each rack further includes a peripheral support flange, wherein rows of tiles are supported on each rack in a vertical orientation and are stacked on each other vertically; and
- a support rod engaging the support flanges on the racks for securing the racks that are stacked on each other vertically.
- 1 16. A rack for use in the manufacture of tiles to be used in a raised floor system, the rack comprising:



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a top face and a bottom face, each having a plurality of	of elongated
pockets, each pocket adapted to receive an edge of a floor tile to ho	old the tile in a
vertical orientation; and	

a peripheral support flange that provides a contact surface for lifting the rack.

17. A tile for use in a raised foor system comprising:
a shell having a top plate and a bottom plate;
an inner core material, and
a plurality of bosses on the bottom plate;

wherein, when tiles are stacked the bosses on the bottom plate of one tile contact the top plate of an adjacent tile to provide clearance between the tiles.

- 18. A method of manufacturing panels including the steps of:
  manufacturing a plurality of shells;
  delivering the shells to a local facility;
  receiving the shells at a local facility;
  filling the shells with a filling material to create panels;
  washing the panels;
  drying the panels;
  inspecting the panels; and
  delivering the panels to a local installation site.
- 19. The method of Claim 18 wherein the shells are manufactured at a remote facility.
- 1 20. The method of Claim 19 wherein the manufactured shells are loaded 2 into a plurality of racks.
  - 21. The method of Claim 20 wherein the step of loading the shells into a rack further includes the step of stacking the plurality of racks to form a plurality of vertical stacks.



- The method of Claim 21 wherein the vertical stacks are delivered to a local facility.
  - 23. The method of Claim 22 wherein the local facility is a mobile trailer.
- The method of Claim 23 wherein the local facility is a structure located at the installation site.
- 1 25. The method of Claim 22 wherein the step of filling the shells includes 2 the step of receiving a supply of dry bulk filler material.
  - 26. The method of Claim 25 wherein the step of filling the shells includes the step of mixing the dry bulk filler material with water to create the filling material.
  - 27. The method of Claim 26 wherein the step of filling the shells includes the step of pouring the filling material into the shells through an aperture.
  - 28. The method of Claim 27 wherein the step of filling the shells includes the step of closing the panels by inserting a cover in the aperture.
- 1 29. A facility for locally manufacturing panels comprising: a structure for containing a/plurality of stations; 2 a receiving station for receiving a plurality of shells; 3 a filling station for filling the shells with a filling mixture to create the 4 panels; 5 a washing station for/washing the panels; 6 a drying station for drying the panels; 7 an inspecting station for inspecting the panels; and 8
  - 30. The facility of/Claim 29 wherein the structure is a vehicle.

a delivery station for delivering the panels to a local installation site.

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- 1 31. The facility of Claim 30 wherein the structure has one or more guides 2 for moving a plurality of racks holding a plurality of panels through the plurality of 3 stations.
- 1 32. The facility of Claim 31 wherein the filling station includes a mixer for mixing a supply of water with a supply of dry filler material to create the filling mixture.
  - 33. The facility of Claim 32 wherein the washing station includes a washing machine for washing one or more racks holding a plurality of panels.
    - 34. The facility of Claim 33 wherein the drying station includes a ventilation supply and a dryer for drying one or more racks holding a plurality of tiles.
    - 35. A method of holding banels or shells in a manufacturing operation comprising the steps of:

loading a plurality of panels or shells having one or more fill apertures into a rack;

holding the panels or shells vertically in the rack;

protecting a lower edge of the panels or shells in the rack; and

moving the rack through a plurality of stations, whereby one or more

manufacturing operations may be performed on the panels or shells.

- 36. A rack for holding and protecting shells and panels comprising:
  a horizontal tray having a top side, a bottom side, and vertical walls
  extending upward from the perimeter of the horizontal tray; and
  a continuous extension projecting horizontally outward from an upper
  end portion of the vertical walls.
- 1 37. The rack of Claim 36 wherein the top surface of the tray has a plurality of holders.
- 1 38. The rack of Claim 37 wherein the holders comprise a plurality of uniformly spaced and parallel notches in the top side of the tray.

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- 1 40. The rack of Claim 39 further comprising one or more drain apertures, 2 aligned with a bottom portion of one or more notches, and extending through one or 3 more side walls.
- 1 41. The rack of Claim 40 wherein the extension has a plurality of edge cut-2 outs.
  - 42. The rack of Claim 41 wherein the edge cut-outs are in the shape of cylindrical segment.
  - 43. The rack of Claim 42 further comprising a continuous recess on an inside edge of an upper end portion of the vertical walls.
  - 44. The rack of Claim 43 wherein the recess is sized to receive the bottom portion of a similar rack in a nesting configuration.
  - 45. The rack of Claim 44 further comprising a plurality of notches on the bottom side, whereby the notches on the top side and the notches on the bottom side are symmetric.
- 1 46. The rack of Claim 45 further comprising one or more vertical keyways 2 on an interior side of one or more end walls.
- 1 47. The rack of Claim 46 wherein the notches are sized to prevent contact
  2 between the bottom portion of the notches and an edge extension of a panel
  3 received in the notch and held by the rack.

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